

TECHNICAL UNIVERSITY OF DENMARK

Project Agreement

Daniel Schougaard
s103446

September 16, 2015

Title (English)	Sharing File Across Devices Using The Private Cloud
Title (Danish)	Fildeling På Tværs af Enheder Ved Brug af Den Private Sky
ECTS Points	32.5
Student Number	s103446
Start date	4/1-2016 (<i>pending dispensation approval</i>)

1 Abstract of Project

In these days, the insecurities of the major corporations are all evident. In recent years we've seen leaks coming

In this project, the feasibility of running a private file synchronization service on a device consuming as little power as possible will be investigated. The end result, would be a service somewhat similar to that of Dropbox, but kept in the Private Cloud: None of the files ever leave your devices, and is kept *yours*.

The goal of the project is to implement a feature rich server-application, handling storage, file versioning, synchronisation, public share links and all around primary logic of the system. The implementation of the system, for this project, will be separated into two sub-systems: The server and a client. The server will be developed running on a Unix system, due to affordability and availability of low-powered devices, running a Unix core. A client will also be developed. Due to its mainstream use, the client will be developed for Windows.